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(54) OPTICAL RECORDING MEDIUM AND METHOD OF RECORDING AND REPRODUCING INFORMATION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an optical recording medium which is optimum for recording and erasure in the area of a high linear velocity and excellent in the reliability in respect to high-speed recording and erasure and which enables execution of multi-speed CLV recording and CAV recording, in regard to a phase change type recording medium.

SOLUTION: In the optical recording medium having at least a phase change type recording layer on a disk-shaped base, the constituent elements of the recording layer are Ge, In, Sb and Te in the main, and the respective composition ratios ,, ,, ,, and ,, (atom.%) of the elements are $0.1 \leq \text{,,} \leq 7$, $1 \leq \text{,,} \leq 9$, $61 \leq \text{,,} \leq 75$ and $22 \leq \text{,,} \leq 30$, in the main constitution, when $\text{,,} + \text{,,} + \text{,,} + \text{,,} = 100$. Five items other than the above are mentioned for the constitution.

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